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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLUIDIC DEVICES

(57) Abstract: Apparatus for performing a chemical and/or biological process comprising: a first layer of material comprising fluid passages that define a microfluidic structure; and a second layer of material comprising fluid passages that define a larger-scale fluidic structure; the layers being bonded such that the fluid passages of the first layer communicate with those of the second layer to define a fluidic device.

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Tel. (+31-70) 340-2040. Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 Goetz, M					

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International application No. PCT/GB 00/01257

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1–33
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1 - 33

Apparatus for performing chemical/biological processes which is characterized by a microfluidic structure defined in a first material layer and a larger-scale fluidic structure defined in a second material layer; method for performing chemical/biological processes by using the said apparatus.

2. Claims: 34 - 55

Apparatus for performing chemical/biological processes comprising an analysis unit, a fluid control unit and an isolation means; method for performing chemical/biological processes by using the said apparatus.

3. Claims: 56 - 65

Method for forming a microfluidic device.

4. Claims: 66 - 78

Cell trapping structure characterized by a particular spatial arrangement of fluid passages; method for trapping cells using the said cell trapping structure.

5. Claims: 79 - 83

Apparatus for performing chemical/biological processes defined by a fluid inlet, a microfluidic structure linked to the inlet and a waste chamber; method for performing chemical/biological processes by using the said apparatus.

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